



**Commonwealth of Virginia
Recycling Rate Report For
Calendar Year 2006**

Contact Information

Reporting Solid Waste Planning Unit: _____

Person Completing This Form: _____

Title: _____

Address: _____

Street/P.O. Box City State Zip

Phone #: (____) _____ **Fax #:** (____) _____

Email Address: _____

Member Governments (List the local governments that comprise this Solid Waste Planning Unit and whose data is included in this report):

Due to the complexity and difficulty in obtaining data, this report reflects the best efforts of the Solid Waste Planning Unit to represent its recycling efforts for CY 2006. I certify that I have personally examined and am familiar with the information submitted in this form and any attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. These records will be made available for auditing purposes, if requested.

FINAL CALCULATED RECYCLING RATE % = _____ . *(from Page 5, Step 5)*

Authorized Signature

Title

Date

**Return completed form by April 30, 2007 to: Virginia DEQ
Attn: Recycling Rates
629 E. Main Street, Richmond, Virginia 23219**

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Part I: PRINCIPAL RECYCLABLE MATERIAL (PRM): Report only PRM generated within the reporting jurisdiction(s), NOT imported PRM.

PRM TYPE

RECYCLED AMOUNT (TONS)

Paper

Metal

Plastic

Glass

Commingled

Yard Waste (composted or mulched)

Waste wood (chipped or mulched)

Textiles

TOTAL PRM

(P)

Part II: SUPPLEMENTAL RECYCLABLE MATERIAL (SRM): Report only SRM generated within the reporting jurisdiction(s), NOT imported SRM.

SRM TYPE

RECYCLED AMOUNT/Tons

Waste Tires

Used Oil

Used Oil Filters

Used Antifreeze

Abandoned automobiles removed

Batteries

Sludge (composted)

Electronics

Tree Stumps (> 6" Diameter)

Other

SUBTOTALS

(RECYCLED SRM)

REUSED* AMOUNT/Tons

Construction Waste

Demolition Waste

Debris Waste

Ash

Other

SUBTOTALS

(REUSED SRM)

TOTAL SRM

(S)

Part III: TOTAL MUNICIPAL SOLID WASTE DISPOSED:** Report only MSW generated within the reporting jurisdiction(s), NOT imported wastes or industrial wastes..

MSW TYPE

TOTAL AMOUNT DISPOSED (TONS)

Household

Commercial

Institutional

Other*** (DO NOT INCLUDE INDUSTRIAL WASTES)

TOTAL MSW DISPOSED

(M)

Material separated from the MSW stream and used, without processing or changing its form, for the same or another end use. **Disposed for the purpose of this report means delivery to a permitted sanitary landfill or waste incinerator for disposal. *May add total amounts of SRM generated, if known.*

SUMMARY: P + S = _____ tons P + S + M = _____ tons

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Part IV: CREDITS CALCULATION *(Do Not Include any material tonnage already reported on Page 2)*

A. Recycling Residue

<u>MATERIAL DESCRIPTION</u>	<u>FACILITY/OPERATION</u>	<u>TONS OF MATERIAL</u>
_____	from _____	_____
_____	from _____	_____
_____	from _____	_____
TOTAL RECYCLING RESIDUE		_____ (A)

B. Solid Waste ReUsed

<u>MATERIAL DESCRIPTION</u>	<u>REUSE METHOD</u>	<u>TONS OF MATERIAL</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
TOTAL SOLID WASTE REUSED		_____ (B)

C. Non-Municipal Solid Waste (MSW) Recycled

<u>MATERIAL DESCRIPTION</u>	<u>RECYCLING METHOD</u>	<u>TONS OF MATERIAL</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
TOTAL NON-MSW RECYCLED		_____ (C)

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D. CALCULATED CREDITS TOTAL (CR) (data from Page 3)

Total Recycling Residue Tonnage (A) _____ tons

Total Solid Waste ReUsed (B) _____ tons

Total Non-MSW Recycled (C) _____ tons

CREDITS TOTAL _____ tons (CR)

Part V: SOURCE REDUCTION

A credit of two (2) percentage points may be added to the Calculated Recycling Rate if the Solid Waste Planning Unit (SWPU) has implemented a Source Reduction Program (SRP). Examples of SRPs include Grasscycling, Home Composting, Clothing Reuse, Office Paper Reduction (duplexing), Multi-Use Pallets, or Paper Towel Reduction. **The SRP must be included in the Solid Waste Management Plan for the SWPU on file with the Department.**

SRP description: _____

SRP description: _____

SRP description: _____

SRP description: _____

Part VI: RECYCLING RATE CALCULATION – Use the formulae provided below and information on Pages 2 - 4 to calculate your SWPU Recycling Rate:

Step 1: $([P + S] / [P + S + M]) \times 100 = \text{Base Recycling Rate \%}$ (data from Page 2)

(_____ / _____) X 100 = _____ %

Step 2: Credits Total _____ tons (CR) (data from top of this page)

SUMMARY: P + S + CR = _____ tons P + S + CR + M = _____ tons

Step 3: $([P + S + CR] / [P + S + CR + M]) \times 100 = \text{Adjusted Recycling Rate \% \#1}$ (data from Step 2)

(_____ / _____) X 100 = _____ %

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Step 4: Application of the Source Reduction Credit: (see Page 4, Part V) (check one of the options below)

___ Source Reduction Credit does not apply = use Adjusted Recycling Rate % #1, Step 3;

- or -

Adjusted Recycling Rate % #1 + 2% SRP Credit = Adjusted Recycling Rate % #2 below

$$\underline{\hspace{2cm}} \% + 2 \% = \underline{\hspace{2cm}} \%$$

Step 5: Final Calculated Recycling Rate for the Solid Waste Planning Unit (SWPU):

A. Using the Adjusted Recycling Rate % selected from Step 4 above, subtract the Base Recycling Rate % (from Step 1, Page 4) to determine the overall recycling rate percentage change when including the Credits.

$$\frac{\text{from Step 4}}{\text{from Step 1}} \% - \frac{\text{from Step 1}}{\text{from Step 1}} \% = \frac{\text{from Step 4}}{\text{from Step 1}} \% - 100\% = \text{\% change due to credits}$$

B. Determine the Final Calculated Recycling Rate %:

§ 10.1-1411.C. of the **CODE OF VIRGINIA**: *The aggregate of all such credits permitted shall not exceed five percentage points of the annual municipal solid waste recycling rate achieved for each solid waste planning unit.*

(check one)

____ **The % change due to credits is less than 5%, therefore, the SWPU's final calculated recycling rate is:**

the Adjusted Recycling Rate % #2: _____ %.

or -

____ The % change due to credits is more than 5%, therefore, the SWPU's final calculated recycling rate is:

the Base Recycling Rate % plus 5%: _____ %.

Locality Recycling Rate Report Conversion Table

Material	Volume	Weight in Pounds
Metal		
Aluminum Cans, Whole	One cubic yard	50-74
Aluminum Cans, Flattened	One cubic yard	250
Aluminum Cans	One full grocery bag	1.5
Ferrous Cans, Whole	One cubic yard	150
Ferrous Cans, Flattened	One cubic yard	850
Automobile Bodies	One vehicle	2,000
Paper		
Newsprint, Loose	One cubic yard	360-800
Newsprint, Compacted	One cubic yard	720-1,000
Newsprint	12" stack	35
Corrugated Cardboard, Loose	One cubic yard	75-100
Corrugated Cardboard, Baled	One cubic yard	1,000-2,000
Plastic		
PETE, Whole, Loose	One cubic yard	30-40
PETE, Whole, Loose	Gaylord	40-53
PETE, Whole, Baled	30" x 62"	500
Film, Baled	30" x 42" x 48"	1,100
Film, Baled	Semi -Load	44,000
Film, Loose	Standard grocery bag	15
HDPE (Dairy Only), Whole, Loose	One cubic yard	24
HDPE (Dairy Only), Baled	32" x 60"	400-500
HDPE (Mixed), Baled	32" x 60"	900
Mixed PET & Dairy, Whole, Loose	One cubic yard	32
Mixed PET, Dairy & Other Rigid (Whole, Loose)	One cubic yard	38
Mixed Rigid, No Film	One cubic yard	49
Glass		
Glass, Whole Bottles	One cubic yard	600-1,000
Glass, Semi-Crushed	One cubic yard	1,000-1,800
Glass, Crushed (Mechanically)	One cubic yard	800-2,700
Glass, Whole Bottles	One full grocery bag	16
Glass, Uncrushed to Manually Broken	55 gallon drum	125-500
Arboreal		
Leaves, Uncompacted	One cubic yard	200-250
Leaves, Compacted	One cubic yard	300-450
Leaves, Vacuumed	One cubic yard	350
Wood Chips	One cubic yard	500
Grass Clippings	One cubic yard	400-1,500
Other		
Battery (Heavy Equipment)	One	60
Battery (Auto)	One	35.9
Used Motor Oil	One gallon	7.4
Used Oil Filters (Uncrushed)	55 gallon drum	66 Lbs./Used Oil + 110 Lbs./Ferrous Metal
Used Oil Filters (Crushed)	55 gallon drum	16.5 Lbs./Used Oil + 368 Lbs./Ferrous Metal
Tire - Passenger Car	One	20
Tire - Truck, Light	One	35
Tire - Semi	One	105
Antifreeze	One gallon	8.42
Food Waste, Solid & Liquid Fats	55 gallon drum	412
Electronics: CRT/CPU/LapTop/TV	Each (average weight from NCER)	38/26/8/49 respectively
This Table For General Guidance Only.		

Locality Recycling Rate Report Conversion Table